SBR No. 42/24-25
DATED 06.07.24

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

EE/ELE/Y/BR No.....

(For Other Works) Date.....2024 Dt.....,

No. 2nd & Final Bill

Division: **Electrical (yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Job Code No :001-23-000021

Schedule Docket No. Head of Account : **P-CODE: P0298** D.R.No:**Bill Period(01-07-2023 to 31-03-2024)**

Name of Work:- Maintenance of Aerators and related lightings in Yelahanka oldtown and Allalsandra lake in ward No.1 & 5.

Name of Contractor and Full Address: M/s Chowdeshwari Electricals.

Reference to Agreement No:- BBMP/EE/ELE/YZ/AGR/000029/2022-23 Date 24/03/2023

Work order No:- EE(Ele)/YZ/W.O/000029/2022-23 Date 24/03/2023

Certified that the measurements were taken by me on 06/04/2024 and recorded of Pages 260521 to 260523 of measurement Book No. 2606/23-24 and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 08/04/24 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer (Ele)
BBMP, Bangalore
Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	UPDT	757517-85
2) Deduct amount to be held in reserve being .....percent Rs.....	P.BILL	223180-50
3) " Balance	2nd & Find BILL	534337-00
4) Deduct Payment:		
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of	I P.A.	5343:00
	LWC 1/4.	5343:00
	CONST 1/4	5343:00
	SUST 1/4.	5343:00
b) Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	CBFO 1/1.	534:00
5) Balance being unpaid value of work done held in reserve.		
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	Deduction unadjustments items.	21906:00
7) Net amount due to or from Contractor		
8) Advance to Contractor for materials brought to site (as detailed) within.		
9) Value of Government materials supplied.	by Cheque	512431:00
	Total amount adjusted	

Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

Witness
1.
2.
Dated Signature of Contractor
Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....
Initials of Officer making payment

Stamp

(For use in the Office)

ಶೀರ್ಷಿಕೆ P0 298 Maint Rtgs
ರೂ: 534337:00 ಮೊತ್ತ ಸ್ವೀಕರಿಸಿದೆ
ರೂ: 512431:00 ಮೊತ್ತ ಅಂತಿಮವಾಗಿದೆ
ರೂ: 21906:00 ಮೊತ್ತವನ್ನು ಮುಂಗಡವಾಗಿ ಪಾವತಿಸಿದೆ

Executive Engineer

ಲೆಕ್ಕ ಪರಿಶೋಧನೆ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು (ವಿ) ಯಲಹಂಕ ವಲಯ

Sl. No	Description	Unit
	Name Of Work:- Maintenance of Aerators and related lightings in Yelahanka oldtown and Allalsandra lake in ward No.1 & 5.	
1	Licenced electricial wiremen with tools (Skilled) Rs.625.17/Days KAE 31 LMW 2017 Dated 30-12-2017 Minium Wages and VDA From 01-04-2022 to 31-03-2023	Days
2	Assistant wiremen (semiSkilled) Rs576.14/Days KAE 31 LMW 2017 Dated 30-12-2017 Minium Wages and VDA From 01-04-2022 to 31-03-2023	Days
3	Helper (Assistent) Rs531/Days KAE 31 LMW 2017 Dated 30-12-2017 Minium Wages and VDA From 01-04-2022 to 31-03-2023	Days
4	Wiring for lighting/power circuit using one of **FRLS** PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.1.5 sqmm2	m
5	Wiring for lighting/power circuit using one of **FRLS** PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.4 sqmm2	m
6	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source.**LED Streetlight 90 Watts**	No
7	Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires.	Each
8	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.60 to 70Amps	Each
9	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.160	Each
10	Supplying Heavy Duty Copper Terminal Long Barrel 95 Sqmm Copper Terminal, Apprx Wt: 58 Gm	No
11	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics)FOUR POLE 125 Amps 25kA.	Each
12	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.6-32Amps SP	Each

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty	Cost	Qty	Rate	Amount	Qty	Cost	
42	26257.14	122	625.17	76270.74	164	102527.88	
42	24197.88	122	576.14	70289.08	164	94486.96	
50	26550	145	531.00	76995.00	195	103545.00	
0	0	190.00	15.00	2850.00	190	2850.00	
0	0	190.00	40.00	7600.00	190	7600.00	
8	62216	6	7777.00	46662.00	14	108878.00	
8	1440	6	180.00	1080.00	14	2520.00	
2	9800	3	4900.00	14700.00	5	24500.00	
0	0	2	14220.00	28440.00	2	28440.00	
0	0	12	133.00	1596.00	12	1596.00	
2	17000	2	8500.00	17000.00	4	34000.00	
4	2000	10	500.00	5000.00	14	7000.00	

13	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.6-32Amps DP	Each
14	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.50-63Amps TPN	Each
15	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 230/440v A.C. 50 Hz 12/24v D.C.	Each
16	Laying of cable in Existing Trench/GI pipe/Stone Ware/RCC Hume pipe using Wooden/Aluminum Rollers as directed by the departmental staff LT Cable 35 to 95 Sqmm	KM
17	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts **as per IS-694:1990.3C X 4.0Sq.mm**	m
18	Supplying of1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part- 1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975 25 Sqmm, 4 Core, (13 GI Strips - 4 x 0.8 mm)	KM
19	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 70 Sqmm, 3.5 Core, (18 GI Strips - 4 x 0.8 mm)	KM
	Total Rs	
	GST Charges (18% on SR Electrical items) Item No 01 to 17	
	Total Rs	

Certificate: 1. Certefied that the Above Work has been carreid out satisfactorily
2. This Bill amount has not been claimed in any previous bills.

Assistant Executive Engineer (Ele)
BBMP, Bangalore

2	1800	4	900.00	3600.00	6	5400.00	
2	4000	3	2000.00	6000.00	5	10000.00	
5	2000	15	400.00	6000.00	20	8000.00	
0	0	0.24	23000.00	5520.00	0.24	5520.00	
95	11875	150	125.00	18750.00	245	30625.00	
0	0	0.14	240813.00	33713.82	0.14	33713.82	
0	0	0.1	423672.00	42367.20	0.1	42367.20	
	189136.02			**464433.84**		**653569.86**	
	34044.48		388352.82	69903.51		103947.99	
	223180.50			**534337.35**		**757517.85**	